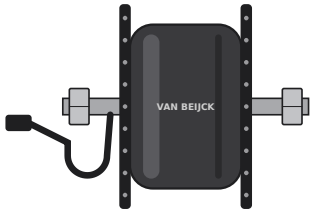
INSTALLATION GUIDE

Fitting the front hub motor

For all Van Beijck front hub motors. Read this guide completely before you start.



In the box

- Front hub motor (laced into rim)
- Motor cable
- Nuts and lock washers

What you need

- Open-end or ring spanner 18 and 19 mm
- Open-end spanner 10 mm (for centring)
- Cable ties and side cutters
- File (only if the axle does not fit the fork)

Safety first
Disconnect the battery before working on cables, the controller or the motor. Make sure the bike stands firmly, preferably in a work stand. In doubt? Have the installation done by a bike shop or a Van Beijck dealer.

Step by step

1 Remove the old front wheel

Loosen the axle nuts and take the front wheel out of the fork.

Drum brake or roller brake
First disconnect the brake cable. Do you have an old **drum brake**? It does not fit the motor and must be replaced by a roller brake (available in our web shop).

2 Transfer the tyre

Take the tyre, inner tube and rim tape off the old wheel and fit them onto the motor's rim. Is the tyre worn? Choose an e-bike tyre: it rolls more easily and lasts longer.

3 Transfer the roller brake (roller brake only)

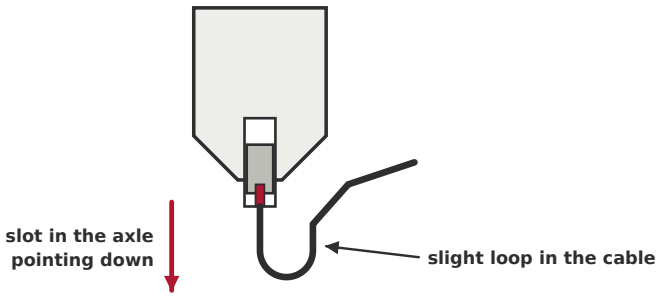
Move the roller brake over to the new motor.

Roller brake
Tighten the roller brake's lock nut **by hand only**, never with a spanner. Otherwise the wheel runs stiffly and that costs battery power.

4 Place the motor in the fork

Place the wheel in the front fork. Seen from the saddle, the motor cable comes out of the axle on the **left side**.

> **Important: cable pointing down**
> The slot in the axle where the cable comes out must point **towards the ground**. That way no water can run into the motor.



5 Centre and fit the wheel

Position the rim exactly in the middle of the fork. With a 10 mm spanner you can easily turn the axle into the right position.

> **Axle does not fit the fork?**
> The motor axle has two flat sides. Sometimes the fork dropout needs a little filing so the flat sides fit exactly.

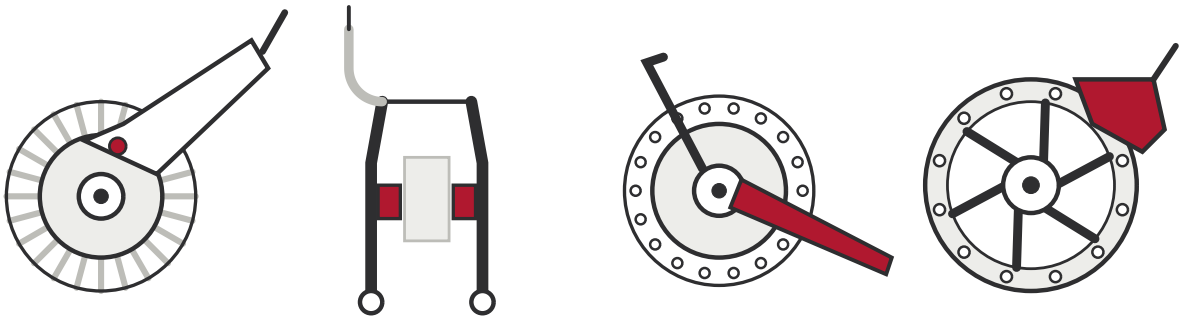
6 Tighten and secure

Fit the supplied lock washers and tighten the axle nuts firmly. Check that any torque arms are securely fitted.

> **Caution: the axle must not turn**
> If the axle turns in the fork ('spinning'), the motor cable will be torn off. So **always** use the supplied lock washers. Damage caused by a spinning axle is not covered by the warranty.

7 Adjust the brake

V-brake: adjust the brake pads to the new rim so that both pads touch the rim at the same time and over their full surface.
Roller brake: reconnect the brake cable and adjust the brake.



Roller brake **V-brake** **Drum brake** **Disc brake**

8 **Secure and connect the cable**

Let the cable leave the axle with a small downward loop. Fix it to the fork with cable ties and push the motor cable plugs firmly together.

Check after fitting

- ☐ Axle nuts tight and lock washers fitted
- ☐ Brakes work well, even at full force
- ☐ Handlebar turns freely left and right
- ☐ Wheel runs straight and freely
- ☐ Cable is secured and cannot get into the spokes
- ☐ Test ride: assistance works

i **After the first 50–100 km**

Retighten all nuts and bolts once more and have the spoke tension checked. New spokes settle in at first; this prevents spokes from breaking later on.